Appl. No. 09/764,164
Amdt. dated November 5, 2003
Reply to Office Action of August 7, 2003

Docket No. 034300-123

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the

application:

Listing of Claims:

1.   (original) A multi-function interface for interfacing a wireless modem

with a host, the multi-function interface including a plurality of logical devices associated

with the wireless modem such that the plurality of logical devices provide connectivity

between the wireless modem and the host, wherein the plurality of logical devices

includes a first logical device to provide communication between the wireless modem

and the host and the plurality of logical devices includes a second logical device for

providing real-time status information of the wireless modem to the host during

operation.

2.   (original) A multi-function interface as recited in Claim 1, wherein the

first logical device is a communication port.

3.   (original) A multi-function interface as recited in Claim 2, wherein the

second logical device is a status port.

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4.   (currently amended) A multi-function interface as recited in Claim 3, wherein the status port provides the real-time status information as the ~~communication device~~ wireless modem is on-line.

5.   (currently amended) A multi-function interface as recited in Claim 1, wherein the wireless modem is a personal ~~communication~~ computer memory card international association (PCMCIA) card.

6.   (original) A multi-function interface as recited in Claim 1, wherein the plurality of logical devices are configured using a field programmable gate array (FPGA) such that two communication port capabilities are provided.

7. .   (currently amended) A wireless modem ~~communication device~~ which communicates with a host, the wireless modem ~~communication device~~ including a plurality of logical devices associated with the wireless modem ~~communication device~~ where the plurality of logical devices provide connectivity to the host.

8.   (canceled)

9.   (currently amended) A wireless modem ~~communication device~~ as recited in Claim 7, wherein the plurality of logical devices includes a first logical device associated with the wireless modem ~~communication device~~.

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10.   (currently amended) A wireless modem~~communication device~~ as recited in Claim 9, wherein the first logical device provides a status port between the wireless modem~~communication device~~ and the host.

11.   (currently amended) A wireless modem~~communication device~~ as recited in Claim 10, wherein the status port allows the wireless modem~~communication device~~ to provide real-time status information of the wireless modem~~communication device~~ to the host.

12.   (currently amended) A wireless modem~~communication device~~ as recited in Claim 11, wherein the real-time status information of the wireless modem~~communication device~~ includes the signal strength of radio frequency signals being received by the wireless modem~~communication device~~.

13.   (currently amended) A wireless modem~~communication device~~ as recited in Claim 11, wherein the real-time status information of the wireless modem~~communication device~~ includes the temperature of the wireless modem~~communication device~~ as the wireless modem~~communication device~~ communicates with other communication devices.

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14.   (currently amended) A <u>wireless modem</u>communication device as

recited in Claim 9, wherein the plurality of logical devices includes a second

logical device associated with the <u>wireless modem</u>communication device.

15.   (currently amended) A <u>wireless modem</u>communication device as

recited in Claim 14, wherein the second logical device provides a communication

port between the <u>wireless modem</u>communication device and the host.

16.   (currently amended) A <u>wireless modem</u>communication device as

recited in Claim 15, wherein the communication port allows the <u>wireless</u>

<u>modem</u>communication device to transmit data from the host to another

communication device.

17.   (currently amended) A <u>wireless modem</u>communication device as recited

in Claim 14, wherein the first logical device and the second logical device communicate

simultaneously with the host.

18.   (currently amended) A <u>wireless modem</u>communication device as recited

in Claim 14, wherein the second logical device transmits IP based and non-IP based

applications.

19.   (currently amended) A multi-function interface which provides

connectivity between a <u>wireless</u> communication device and a computing device, where

connectivity is established using a plurality of logical devices associated with the <u>wireless</u>

communication device, the multi-function interface comprising:

a communication port, the communication port being one of the plurality of

logical devices, the communication port transmitting data between the <u>wireless</u>

communication device and the computing device; and

a status port, the status port being one of the plurality of logical devices, the

status port providing real-time status information of the <u>wireless</u> communication

device as the communication port transmits data.

20.   (original) A multi-function interface as recited in Claim 19, wherein the

communication port is configured using a field programmable gate array (FPGA).

21.   (original) A multi-function interface as recited in Claim 19, wherein the

status port is configured using a field programmable gate array (FPGA).

22.   (original) A multi-function interface as recited in Claim 19, wherein the

communication port and the status port communicate with the host simultaneously.

23.   (currently amended) A multi-function interface as recited in Claim 19,

wherein the <u>wireless</u> communication device is a wireless modem.

24.   (currently amended) A multi-function interface as interface as recited in

Claim 23, wherein the real-time status information includes a signal strength of <u>radio</u>

<u>frequency signals being received by</u> the wireless modem as the data is transmitted

between the wireless modem and the host.

25.   (currently amended) A multi-function interface as recited in Claim 23,

wherein the real-time status information includes informing the host if the wireless

modem is maintaining a signal with a <u>wireless</u> network during data transmission.

26.   (original) A wireless communication device in communication with a

computing device, where connectivity between the wireless communication device and

the computing device is established with a plurality of logical devices, the wireless

communication device comprising:

a communication port, the communication port being a logical device of the

plurality of logical devices, where the communication port transmits data between the

wireless communication device and the computing device; and

a status port, the status port being another logical device of the plurality of logical

devices, where the status port provides real-time status information to the computing

device as the communication port transmits data between the wireless communication

device and the computing device.

27.   (currently amended) A wireless communication device as recited in Claim

26, wherein the wireless communication device is a personal ~~communication~~computer

memory card international association (PCMCIA) card.

28.   (original) A wireless communication device as recited in Claim 26,

wherein the wireless communication device is a wireless modem.

29.   (original) A wireless communication device as recited in Claim 26,

wherein the real-time status information includes a temperature of the wireless modem.

30.   (currently amended) A wireless communication device as recited in Claim

26, wherein the real-time status information includes a signal strength of radio frequency

signals being received by the wireless modem as the wireless modem transmits the data.

31.   (original) A wireless communication device as recited in Claim 26,

wherein the communication port and the status port simultaneously communicate with

the host.

32.   (original) A wireless communication device as recited in Claim 26,

wherein a field programmable gate array (FPGA) is used to configure the communication

port.

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33.   (original) A wireless communication device as recited in Claim 26, wherein a field programmable gate array (FPGA) is used to configure the status port.

34.   (previously added) A multi-function interface for providing connectivity between a wireless network interface card (NIC) and a host computer, comprising:

a communication port configured to transmit data between the wireless NIC and the host computer; and

a status port configured to provide status information to the host computer while the wireless NIC is transmitting data to a remote device.

35.   (previously added) The multi-function interface of Claim 34 wherein the status port is further configured to provide status information to the host computer while the host computer communicates with the wireless NIC.

36.   (previously added) The multi-function interface of Claim 34 wherein the status port is further configured to provide status information to the host computer while the wireless NIC is receiving data from the remote device.

37.   (previously added) The multi-function interface of Claim 34 wherein the status port is further configured to provide status information to the host during a time when there is no wireless network connection between the wireless NIC and the remote device.

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38.   (previously added) The multi-function interface of Claim 37 wherein the status information comprises a connection status of the wireless network connection.

39.   (previously added) The multi-function interface of Claim 37 wherein the status information comprises an operational condition of the wireless NIC.

40.   (previously added) The multi-function interface of Claim 34 wherein the status information comprises a connection status of a wireless network connection between the remote device and the wireless NIC.

41.   (previously added) The multi-function interface of Claim 40 wherein said status of the wireless network connection includes an indication of signal strength.

42.   (previously added) The multi-function interface of Claim 34 wherein the status information comprises an operational condition of the wireless NIC.